

Substitute for Form 1449 A & B/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)



				<i>Complete if Known</i>
Application Number	10/539,373			
Confirmation Number	4607			
Filing Date	June 16, 2005			
First Named Inventor	Yoshiyuki FUKUMOTO			
Art Unit	2627			
Examiner Name	Allen J. HEINZ			
Attorney Docket Number	Q88645			

Sheet

1

of

1

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code ² (if known)		
		US			

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Translation ⁶
		Country Code ³	Number ⁴	Kind Code ⁵ (if known)			
AH	✓	WO	01/71735	A1	09-27-2001	Motorola, Inc.	
	✓	JP	2003-324187	A	11-14-2003		
	✓	JP	2004-519859	A	07-02-2004		
	✓	JP	2002-158381	A	05-31-2002		
	✓	JP	2001-237471	A	08-31-2001		
	✓	JP	10-269532	A	10-09-1998		
	✓	JP	2001-84756	A	03-30-2001		
	✓	JP	2002-163810	A	06-07-2002		
	✓	JP	2002-25013	A	01-25-2002		
	✓	JP	2-195284	A	08-01-1990		

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.			Translation ⁶

Examiner Signature	<i>A. Heinz</i>	Date Considered	<i>1/25/07</i>
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¹Applicant's unique citation designation number (optional). ²See Kind Codes of USPTO Patent Documents at www.uspto.gov. MPEP 901.04 or follow the hyperlink from the title of the document to the intranet. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to indicate here if English language Translation is attached.

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TRADEMARKS SERIALIZED	sheet	of	1
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Examiner Signature	A. Heinz	Date Considered	4/25/07
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Sheet 1 of 1

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		First Named Inventor	Yoshiyuki FUKUMOTO
		Art Unit	Not yet assigned
		Examiner Name	Not yet assigned
Sheet	1	of	1
		Attorney Docket Number	O88645

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Examiner Initials*	Cite No. ¹	Document Number		Name of Patentee or Applicant of Cited Document
		Number	Kind Code ² (if known)	
AJL	US 2002/0044396	A1	04-18-2002	Amano et al.
/	US 2004/0145850	A1	07-29-2004	Fukumoto et al.
	US			

FOREIGN PATENT DOCUMENTS

NON-PATENT LITERATURE DOCUMENTS

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Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation ⁴
AA		S. Cardoso et al., Influence of Ta antidiifusion barriers on the thermal stability of tunnel junctions, Applied Physics Letters (Vol. 78, May 7, 2001, pp. 2911-2913)(the second conventional example).	
✓		J.J. Sun et al., Low resistance and high terminal stability of spin-dependent tunnel junctions with synthetic antiferromagnetic CoFe/Ru/CoFe pinned layers, Applied Physics Letters (Vol. 76, April 24, 2000, pp. 2424-2426).	
✓		S. Cardoso et al., Influence of Ta antidiifusion barriers on the thermal stability of tunnel junctions, Applied Physics Letters (Vol. 76, June 19, 2000, pp. 3792-3794).	
✓		T. Ochiai et al., Improved Thermal Stability of Ferromagnetic Tunnel Junctions With a CoFe/CoFeO _x /CoFe Pinned Layer, IEEE Transactions on Magnetics, (Vol. 39, September, 2003, pp. 2797-2799).	

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